

Figure 1 illustrates the stages of chick development from fertilization to hatching. The stages are numbered 1 through 12. Stage 1 shows a fertilized egg. Stage 2 shows cleavage. Stage 3 shows a two-cell stage. Stage 4 shows a four-cell stage. Stage 5 shows a morula stage. Stage 6 shows a gastrula stage. Stage 7 shows hatching. Stage 8 shows a chick in egg. Stage 9 shows a chick in egg. Stage 10 shows a chick in egg. Stage 11 shows a chick in egg. Stage 12 shows a chick in egg.

The present invention provides a distance-measuring device has an AF area sensor that includes an image pick up element formed on a semiconductor substrate for receiving two images having a parallax therebetween, and a photo reception signal processing circuit formed on the semiconductor substrate for processing signals corresponding to light received by the image pick up element. On the basis of sensor data (outline data) obtained by integration executed in the AF area sensor in an outline detection mode, the distance-measuring device detects a main subject in a photography screen, sets a distance-measuring area including the main subject, and measures a distance to the main subject.